

DigiPi Hotspot

This is a really cool project, that might be of interest, it has Winlink capability too, also can run it on a PiZero 2W.

<https://digipi.org/>

DigiPi is an easy-to-use amateur radio data transceiver hotspot for Raspberry Pi. All radio data modes are easily accessible over wifi via your phone or web browser. Make FT8, JS8Call, APRS and packet modes work like any other mobile phone app.

APRS WebChat interface

Send instant messages over the APRS packet network via your web browser

APRS Packet Radio Network digipeater

Repeat packets heard on 144.390 and 144.800(europe)

APRS Packet Radio network IGate

Bridge APRS Network to the Internet for email, sms, and other online services

APRS Map/Dashboard

Real-time animated tactical map of local APRS objects and traffic

Winlink email server

Listen for Winlink radio clients requesting to send/recieve email

Winlink email client

Pat, web-based inbox/outbox email interface
ARDOP sound modem to connect to winlink servers world-wide on HF bands
Woad Winlink Android app connects to DigiPi via wireless TNC/KISS interface

WSJTX FT8

Ultra low signal-to-noise ratio contacts via web-browser/wifi/phone

JS8 Call

Ultra low signal-to-noise ratio keyboard-to-keyboard via web-browser/wifi/phone

FLDigi

CW, PSK31, RTTY, Contessa, FSQ, Hell, IFKP, MFSK MT63, Olivia, PSK
QPSK, 8PSK, PSKR, THOR, Throb, WeatherFax

Slow Scan TV

Send/receive images via web-browser/wifi/phone

AX.25 Networking

Radio connected network protocol used for winlink/node services
IP tunnel, with actual address on the internet (44.* for amateur radio)

Node Services

Run your own bulletin board, or messaging service
Connect to other nodes, via intermediate nodes

Node Services

Web-based bluetooth pairing for phone/tablet